

OATH AND POWER OF ATTORNEY

As a below named inventor, being duly sworn, I depose and say that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

AN ADAPTIVE CONTROL FOR A REFRIGERATION SYSTEM USING PULSE
WIDTH MODULATED DUTY CYCLE SCROLL COMPRESSOR

the specification of which (check one)

☐ is attached hereto.

☒ was filed on September 29, 1997 as Application Serial No. 08/939,779 and
was amended on _____ (if
applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

			<u>Priority Claim</u>	
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
_____	_____	_____	_____	_____

OATH AND POWER OF ATTORNEY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint Charles H. Blair, Reg. No. 19734, and each principal, attorney of counsel, associate and employee of Harness, Dickey & Pierce, P.L.C., who is a registered Patent Attorney, my attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, Michigan 48303 (telephone 248-641-1600).

Full name of sole or first inventor: Hung M. Pham

Inventor's signature: _____

Date: _____

Residence: 6671 Still Mead Drive, Dayton, Ohio 45414

Citizenship: United States of America

Post Office Address: 6671 Still Mead Drive, Dayton, Ohio 45414

Full name of second joint inventor, if any: Abtar Singh

Second Inventor's signature: _____

Date: _____

Residence: 3600 L Esquire Lane, Sterling Highland Apt., Kennesaw, GA 30144

Citizenship: India

Post Office Address: 3600 L Esquire Lane, Sterling Highland Apt., Kennesaw, GA 30144

Full name of third joint inventor, if any: Jean-Luc M. Caillat

Third Inventor's signature: _____

Date: _____

Residence: 7001 Settlement Way, Dayton, Ohio 45414

Citizenship: France

Post Office Address: 7001 Settlement Way, Dayton, Ohio 45414

OATH AND POWER OF ATTORNEY

Full name of fourth joint inventor, if any: Mark Bass

Fourth Inventor's signature: MBass

Date: 02/18/98

Residence: 1271 Driftwood Trail, Sidney, Ohio 45365

Citizenship: Unites States of America

Post Office Address: 1271 Driftwood Trail, Sidney, Ohio 45365

State of Ohio)
County of Shelby) ss.

Sworn to and subscribed before me this 18th day of February, 1998.



KAREN S. SHOEMAKER, Notary Public
State of Ohio
My Commission Expires April 14, 1998

Karen S. Shoemaker
Notary Public,

Shelby County, State of Ohio

My Commission Expires: April 14 1998

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I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

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(Number)	(Country)	(Day/Month/Year filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
_____	_____	_____	_____	_____

OATH AND POWER OF ATTORNEY

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Full name of sole or first inventor: Hung M. Pham

Inventor's signature: _____

Date: _____

Residence: 6671 Still Mead Drive, Dayton, Ohio 45414

Citizenship: United States of America

Post Office Address: 6671 Still Mead Drive, Dayton, Ohio 45414

Full name of second joint inventor, if any: Abtar Singh

Second Inventor's signature: Abtar Singh

Date: 2/13/98

Residence: 3600 L Esquire Lane, Sterling Highland Apt., Kennesaw, GA 30144

Citizenship: India

Post Office Address: 3600 L Esquire Lane, Sterling Highland Apt., Kennesaw, GA 30144

Full name of third joint inventor, if any: Jean-Luc M. Caillat

Third Inventor's signature: _____

Date: _____

Residence: 7001 Settlement Way, Dayton, Ohio 45414

Citizenship: France

Post Office Address: 7001 Settlement Way, Dayton, Ohio 45414

OATH AND POWER OF ATTORNEY

Full name of fourth joint inventor, if any: Mark Bass

Fourth Inventor's signature: _____

Date: _____

Residence: 1271 Driftwood Trail, Sidney, Ohio 45365

Citizenship: Unites States of America

Post Office Address: 1271 Driftwood Trail, Sidney, Ohio 45365

State of Georgia)
County of Cobb) ss.

Sworn to and subscribed before me this 13 day of February, 1998.

Dannine J. Mullins
Notary Public,

(seal)

Cobb County, State of Georgia

My Commission Expires: 12-13-2000

NOTARY PUBLIC, COBB COUNTY, GEORGIA
MY COMMISSION EXPIRES DECEMBER 13, 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 3404)	
)	
Examiner:)	
)	
Inventor(s): Hung M. Pham et al)	ESTABLISHMENT OF
)	ASSIGNEE'S RIGHT TO
Serial No. 08/939,779)	PROSECUTE APPLICATION
)	UNDER 37 C.F.R. § 3.73(b),
Filed: September 29, 1997)	AND POWER OF ATTORNEY
)	
For: Adaptive Control for a)	
Refrigeration System Using)	
Pulse Width Modulated Duty)	
Cycle Scroll Compressor)	

Hon. Commissioner Of Patents & Trademarks
Washington, D. C. 20231

Sir:

Under 37 C.F.R. § 3.73(b), the undersigned hereby establishes the below-named
Assignee's ownership in the above-identified Application:

Assignee: Copeland Corporation (a Delaware corporation)
1675 W. Campbell Road
Sidney, Ohio 45365-0669

The documentary evidence of a chain of title from the original owner to the Assignee
is provided in the Assignment Document(s):

 X filed herewith.

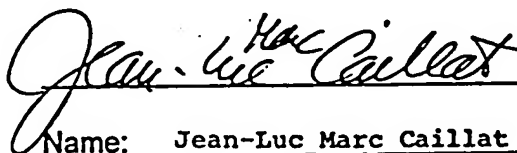
 previously filed,

Reel No. , Frame No. .

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Assignee furthermore hereby appoints Charles H. Blair, Reg. No. 19734, and each other principal, attorney of counsel, associate and employee of Harness, Dickey & Pierce, P.L.C., who is a registered Patent Attorney, as attorney of record, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Harness, Dickey & Pierce, P.L.C., P. O. Box 828, Bloomfield Hills, Michigan 48303 (telephone 248-641-1600).

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.


Name: Jean-Luc Marc Caillat

Title: Vice President, Research

Date: February 18, 1998

Assignee: Copeland Corporation